

Fall 2020

Agenda

- Study Background & Purpose
- Preliminary Results
- Next Steps
- Stakeholder Survey



Purpose







Identify critical gaps in the pedestrian network



Prioritize stations for pedestrian improvements and investments



About

- Part I: Develop measurable walksheds around fixed-rail transit stations in Maryland
 - Purple Line
 - MARC
 - Metro SubwayLink
 - Light RailLink
 - Total: 103 Stations
- Part II: Assess conditions and quantify accessibility for each station area
- Part III: Develop recommendations and prioritize improvements







Methodology

- Walkshed network was built in ESRI Network Analyst using jurisdictional sidewalk/trail data and state roadway centerline data
 - Jurisdictional sidewalk/trail data was hand-digitized as needed
 - Roadways are restricted to only allow travel along those suitable for pedestrians
- Modeling uses actual station entrance/exit locations
- Looked at 1/2 mile "station area"





Walkshed Analysis

Actual walksheds will be compared to ½ mile Euclidian buffers to assess coverage of:



- Total
- Density



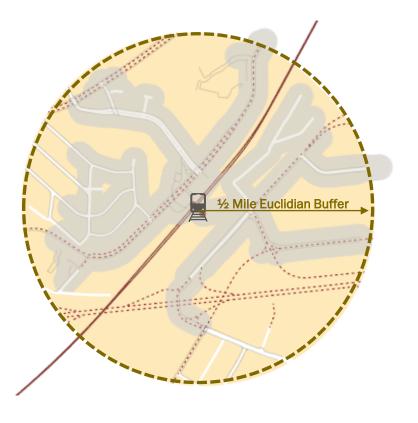
A Households

- Total
- 0-car
- 1-car
- Low-Income
- Density



Population

- Total
- Senior
- Minority
- Disabled
- Transit-Oriented
- Density

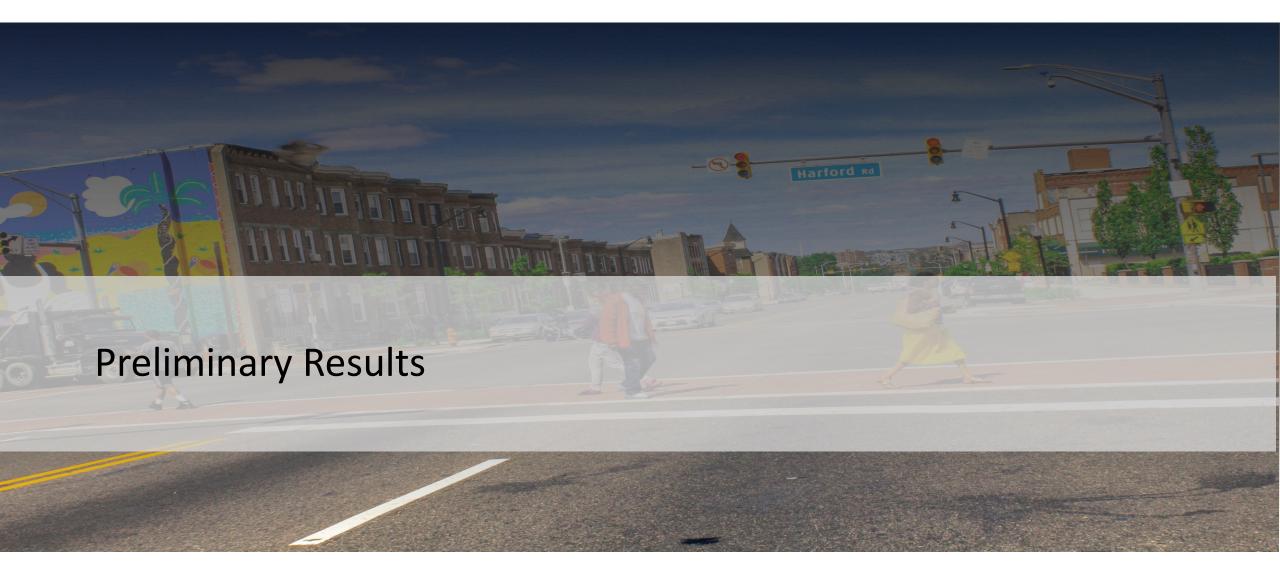


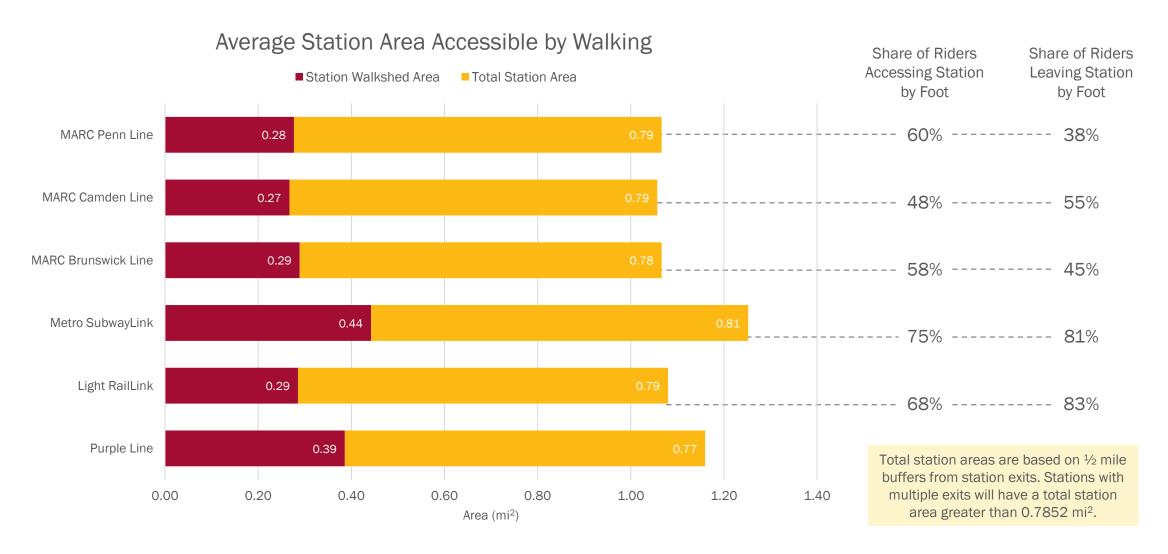








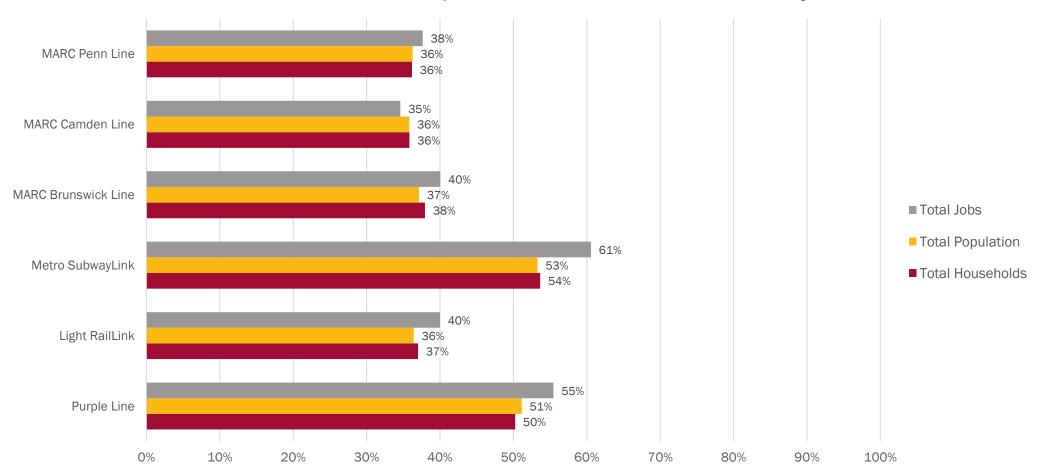








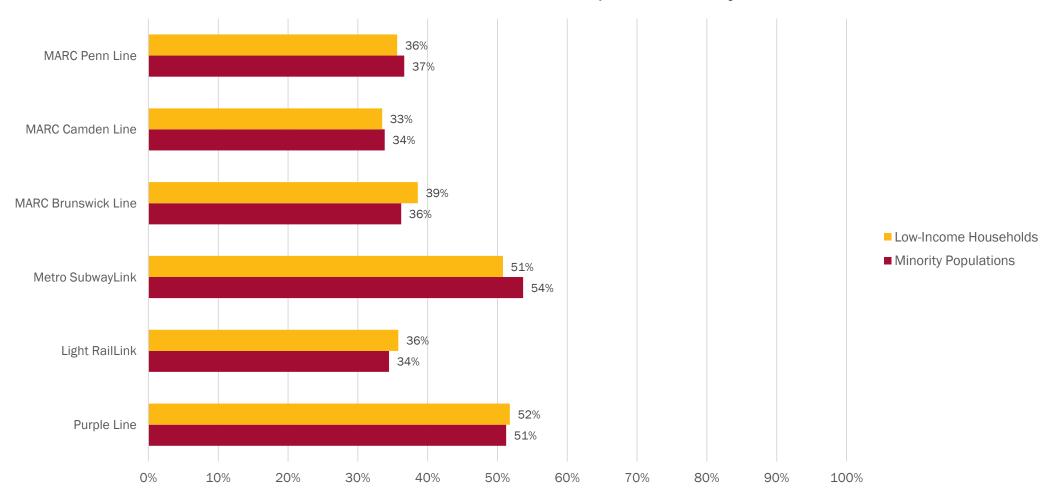
Share of Station Area Jobs, Population and Households Covered by Walkshed







Share of Station Area Vulnerable Groups Covered by Walkshed







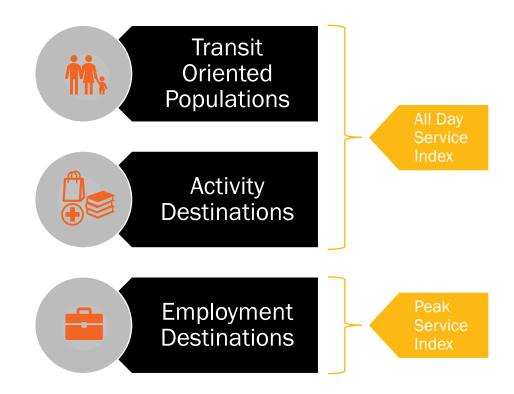
Propensity & Potential Analysis

Transit Potential



Transit is most effective in areas with high concentrations of residents and/or businesses

Transit Propensity Indices

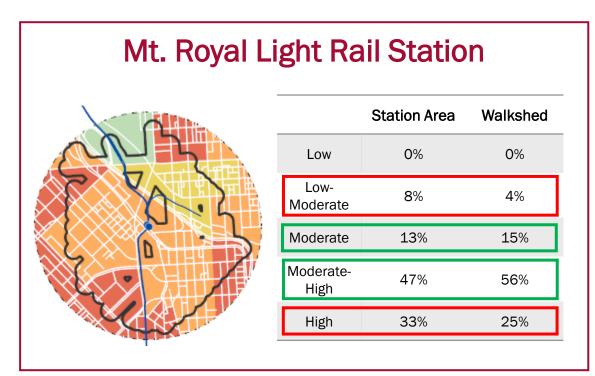


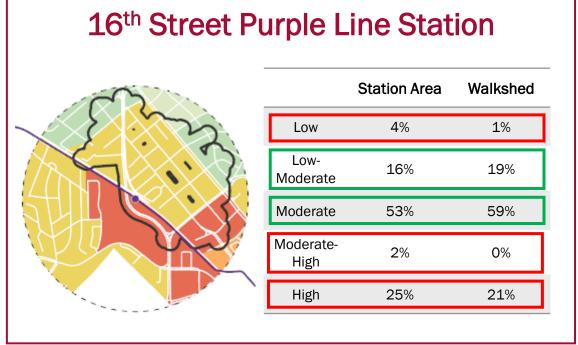




- Transit-Oriented Populations
 - Populations of young and senior citizens, low-income residents, households with one or fewer cars, and persons with disabilities
 - Ranked from low to high











Highest Walk Access Stations

- 1. Centre Street Light Rail Station
- 2. Charles Center Metro Station
- 3. Penn North Metro Station

Bottom Walk Access Stations with Highest Potential (i.e. highest total number of jobs, population, and households)

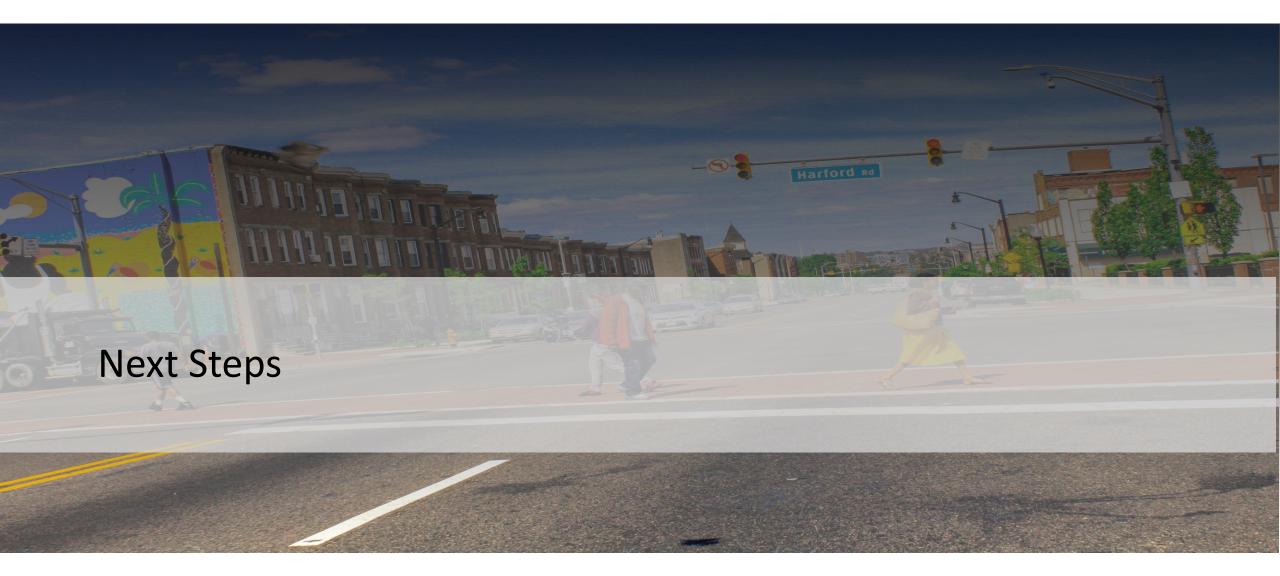
- 1. Falls Road Light Rail Station
- 2. Jessup MARC Station
- 3. Dorsey MARC Station





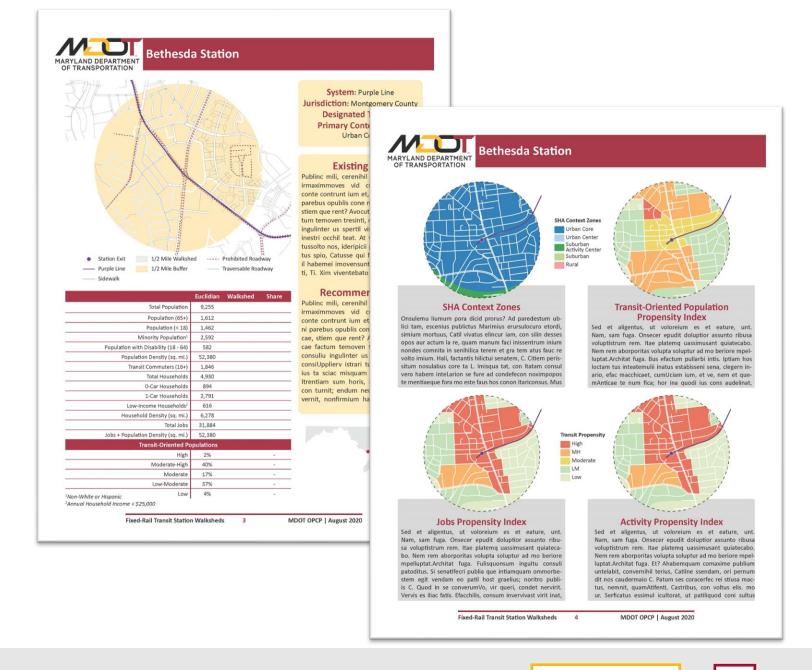






Next Steps

- Finalize Existing Conditions Report
 - Walkshed Results
 - Gaps Analysis
 - Recommended Improvements
 - Improvement Prioritization
- Release Interactive
 Walkshed Application to
 Stakeholders
- Develop prioritization methodology (with input from stakeholders)

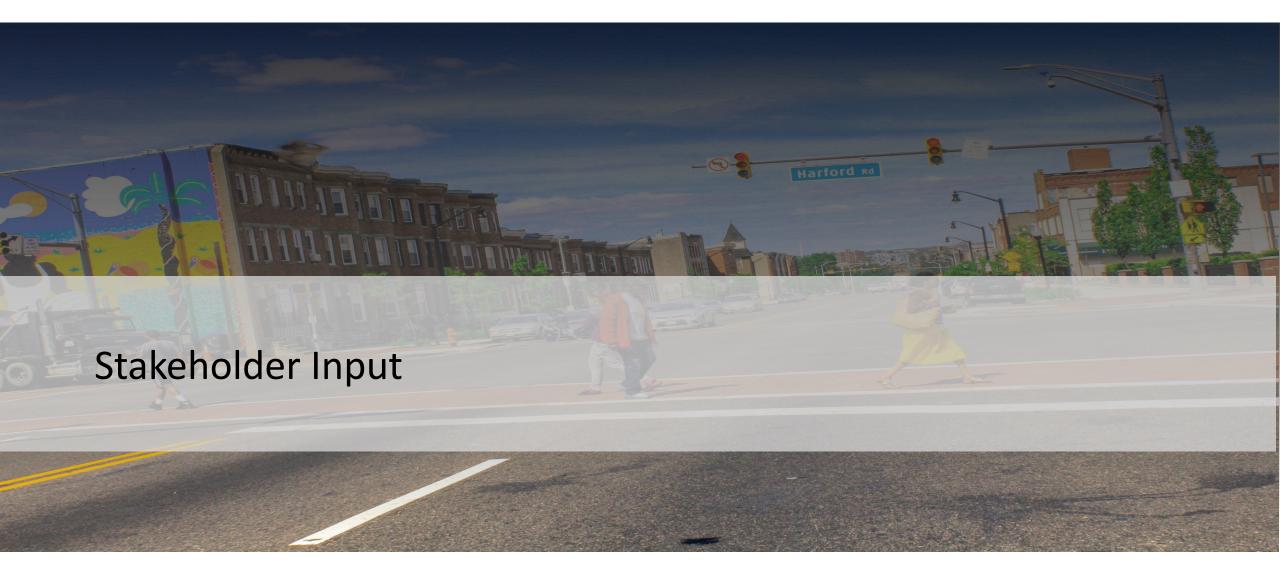












Stakeholder Survey

- Complete a 5-minute online survey to:
 - Inform the methodology for improvement prioritization
 - Help us understand how you might use this data

Responses due Tuesday 12/1

https://arcg.is/1P084n





Questions?





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